

U.S. Patent Application No. 10/789,330
Attorney Docket No. ABS-1460 US

LISTING OF CLAIMS

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1. (Original) A cleaning unit for cleaning a slit coater for coating a substrate with a material, said cleaning unit comprising:

a body including an upper face, the upper face having a receiving recession for receiving a slit nozzle of the slit coater, the receiving recession having a sidewall and a bottom face, the sidewall having a first injection hole, a cleaning material being sprayed via the first injection hole; and

a cleaning member for eliminating dregs of the material attached on the slit nozzle of the slit coater, the cleaning member being attached on the bottom face of the receiving recession.

2. (Original) The cleaning unit of claim 1, wherein the cleaning member comprises an elastic material.

3. (Original) The cleaning unit of claim 2, wherein the elastic material is rubber or Teflon.

4. (Original) The cleaning unit of claim 1, wherein the cleaning member is detachably attached on the bottom surface.

5. (Original) The cleaning unit of claim 1, wherein the sidewall has a second injection hole, gas being sprayed via the second injection hole so as to dry the slit nozzle of the slit coater.

6. (Original) The cleaning unit of claim 1, wherein gas is sprayed via the first injection hole so as to dry the slit nozzle of the slit coater, after spraying the cleaning material.

7. (Original) The cleaning unit of claim 1, wherein the slit nozzle of the spin coater includes a first inclined face, a second inclined face and a connection face connecting the first inclined face with the second inclined face, the connection face having a slit for discharging the photosensitive material, the sidewall of the receiving recession includes a third inclined face and a fourth inclined face, the first inclined face being substantially parallel with the third inclined face and the second inclined face being substantially parallel with the fourth inclined face.

8. (Original) The cleaning unit of claim 7, wherein the cleaning member of the cleaning unit makes contact with the connection face of the slit nozzle of the slit coater during a cleaning process.

9. (Original) The cleaning unit of claim 1, wherein the material corresponds to a photosensitive material.

10. (Withdrawn) A slit coating apparatus comprising:
a supporting member for supporting a substrate;
a slit coater for coating the substrate with predetermined material, the slit coater including a slit nozzle having a slit for discharging the material; and

a cleaning unit for cleaning the slit coater, the cleaning unit including i) a body including an upper face, the upper face having a receiving recession for receiving a slit nozzle of the slit coater, the receiving recession having a sidewall and a bottom face, the sidewall having a first injection hole, a cleaning material being sprayed via the first injection hole and ii) a cleaning member for eliminating dregs of the material attached on the slit nozzle of the slit coater, the cleaning member being attached on the bottom face of the receiving recession.

11. (Withdrawn) The slit coating apparatus of claim 10, wherein the cleaning member comprises elastic material.

12. (Withdrawn) The slit coating apparatus of claim 11, wherein the elastic material is rubber or Teflon.

13. (Withdrawn) The slit coating apparatus of claim 10, wherein the cleaning member is detachably attached on the bottom face.

14. (Withdrawn) The slit coating apparatus of claim 10, wherein the sidewall has a second injection hole, gas being sprayed via the second injection hole so as to dry the slit nozzle of the slit coater.

15. (Withdrawn) The slit coating apparatus of claim 10, wherein gas is sprayed via the first injection hole so as to dry the slit nozzle of the slit coater, after spraying the cleaning material.

16. (Withdrawn) The slit coating apparatus of claim 10, wherein the slit nozzle of the spin coater includes a first inclined face, a second inclined face and a connection face connecting the first inclined face with the second inclined face, the connection face having a slit for discharging the photosensitive material, the sidewall of the receiving recession includes a third inclined face and a fourth inclined face, the first inclined face being parallel with the third inclined face and the second inclined face being parallel with the fourth inclined face.

17. (Withdrawn) The cleaning unit of claim 16, wherein the cleaning member of the cleaning unit makes contact with the connection face of the slit nozzle of the slit coater, during a cleaning process.

18. (Withdrawn) The slit coating apparatus of claim 10, wherein the material corresponds to photosensitive material.

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19. (Withdrawn) The slit coating apparatus of claim 10, wherein the slit coater moves along a longitudinal direction of the substrate while coating the substrate with the material.

20. (Withdrawn) A method of coating a substrate comprising:
spraying cleaning material to a slit nozzle of a slit coater to saturate dregs attached on the slit nozzle with the cleaning material;

scrubbing the slit nozzle according to a longitudinal direction of the slit nozzle so as to eliminate the dregs; and

coating the substrate with the material.

21. (Withdrawn) The method of claim 20, further comprising drying the slit nozzle of the slit coater after scrubbing the slit nozzle.